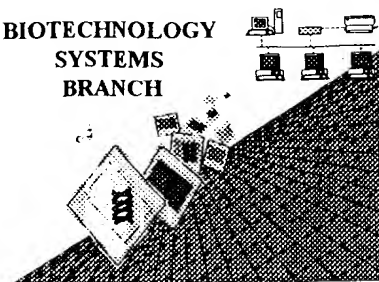


RAW SEQUENCE LISTING **ERROR REPORT**

BIOTECHNOLOGY
SYSTEMS
BRANCH



The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 09/774,809A

Source: O/R

Date Processed by STIC: 8/13/2001

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.

PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax)

PATENTIN 3.0 e-mail help: patin3help@uspto.gov or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE **CHECKER VERSION 3.0 PROGRAM**, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW:

Checker Version 3.0

The Checker Version 3.0 application is a state-of-the-art Windows based software program employing a logical and intuitive user-interface to check whether a sequence listing is in compliance with format and content rules. Checker Version 3.0 works for sequence listings generated for the original version of 37 CFR §§1.821 – 1.825 effective October 1, 1990 (old rules) and the revised version (new rules) effective July 1, 1998 as well as World Intellectual Property Organization (WIPO) Standard ST.25.

Checker Version 3.0 replaces the previous DOS-based version of Checker, and is Y2K-compliant. Checker allows public users to check sequence listings in Computer Readable form (CRF) before submitting them to the United States Patent and Trademark Office (USPTO). Use of Checker prior to filing the sequence listing is expected to result in fewer errored sequence listings, thus saving time and money.

Checker Version 3.0 can be down loaded from the USPTO website at the following address:

<http://www.uspto.gov/web/offices/pac/checker>

Raw Sequence Listing Error Summary

ERROR DETECTED	SUGGESTED CORRECTION	SERIAL NUMBER: 09/774,8094
ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE		
1 ____ Wrapped Nucleics Wrapped Aminos	The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."	
2 ____ Invalid Line Length	The rules require that a line not exceed 72 characters in length. This includes white spaces.	
3 ____ Misaligned Amino Numbering	The numbering under each 5 th amino acid is misaligned. Do not use tab codes between numbers; use space characters, instead.	
4 ____ Non-ASCII	The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.	
5 ____ Variable Length	Sequence(s) ____ contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.	
6 ____ PatentIn 2.0 "bug"	A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s) _____. Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.	
7 ____ Skipped Sequences (OLD RULES)	Sequence(s) ____ missing. If intentional, please insert the following lines for each skipped sequence: (2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown) (i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading) (xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown) This sequence is intentionally skipped Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences.	
8 ____ Skipped Sequences (NEW RULES)	Sequence(s) ____ missing. If intentional, please insert the following lines for each skipped sequence. <210> sequence id number <400> sequence id number 000	
9 ____ Use of n's or Xaa's (NEW RULES)	Use of n's and/or Xaa's have been detected in the Sequence Listing. Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present. In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.	
10 ____ Invalid <213> Response	Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or is Artificial Sequence	
11 ____ Use of <220>	Sequence(s) 118 missing the <220> "Feature" and associated numeric identifiers and responses. Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section. (See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)	
12 ____ PatentIn 2.0 "bug"	Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.	
13 ____ Misuse of n	n can only be used to represent a single nucleotide in a nucleic acid sequence. N is not used to represent any value not specifically a nucleotide.	

OIPE

RAW SEQUENCE LISTING

DATE: 08/13/2001

PATENT APPLICATION: US/09/774,809A

TIME: 14:57:21

Input Set : A:\ES.txt

Output Set: N:\CRF3\08132001\I774809A.raw

pr 6-7

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3 <110> APPLICANT: McKay, Robert A.
4     Dean, Nicholas M.
5     Monia, Brett
6     Nero, Pam
7     Gaarde, William A.
9 <120> TITLE OF INVENTION: ANTISENSE OLIGONUCLEOTIDE COMPOSITIONS AND METHODS
10    FOR THE MODULATION OF JNK PROTEINS
12 <130> FILE REFERENCE: ISPH-0526
14 <140> CURRENT APPLICATION NUMBER: 09/774,809A
15 <141> CURRENT FILING DATE: 2001-01-31
17 <150> PRIOR APPLICATION NUMBER: 09/396,902
18 <151> PRIOR FILING DATE: 1999-09-15
20 <150> PRIOR APPLICATION NUMBER: 09/287,796
21 <151> PRIOR FILING DATE: 1999-04-07
23 <150> PRIOR APPLICATION NUMBER: 09/130,616
24 <151> PRIOR FILING DATE: 1998-08-07
26 <150> PRIOR APPLICATION NUMBER: 08/910,629
27 <151> PRIOR FILING DATE: 1997-08-03
29 <160> NUMBER OF SEQ ID NOS: 165
31 <210> SEQ ID NO: 1
32 <211> LENGTH: 20
33 <212> TYPE: DNA
34 <213> ORGANISM: Artificial Sequence
36 <220> FEATURE:
37 <223> OTHER INFORMATION: Synthetic Sequence
39 <400> SEQUENCE: 1
40    attctttcca ctcttctatt                20
42 <210> SEQ ID NO: 2
43 <211> LENGTH: 20
44 <212> TYPE: DNA
45 <213> ORGANISM: Artificial Sequence
47 <220> FEATURE:
48 <223> OTHER INFORMATION: Synthetic Sequence
50 <400> SEQUENCE: 2
51    ctctccaag tccataactt                20
53 <210> SEQ ID NO: 3
54 <211> LENGTH: 20
55 <212> TYPE: DNA
56 <213> ORGANISM: Artificial Sequence
58 <220> FEATURE:
59 <223> OTHER INFORMATION: Synthetic Sequence
61 <400> SEQUENCE: 3
62    ccggtataac tccattcttg                20
64 <210> SEQ ID NO: 4
65 <211> LENGTH: 20
66 <212> TYPE: DNA
67 <213> ORGANISM: Artificial Sequence

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RAW SEQUENCE LISTING

DATE: 08/13/2001

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TIME: 14:57:21

Input Set : A:\ES.txt

Output Set: N:\CRF3\08132001\I774809A.raw

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69 <220> FEATURE:
70 <223> OTHER INFORMATION: Synthetic Sequence
72 <400> SEQUENCE: 4
73     ctgtgctaaa ggagagggt      20
75 <210> SEQ ID NO: 5
76 <211> LENGTH: 20
77 <212> TYPE: DNA
78 <213> ORGANISM: Artificial Sequence
80 <220> FEATURE:
81 <223> OTHER INFORMATION: Synthetic Sequence
83 <400> SEQUENCE: 5
84     atgatggatg ctgagagcca      20
86 <210> SEQ ID NO: 6
87 <211> LENGTH: 20
88 <212> TYPE: DNA
89 <213> ORGANISM: Artificial Sequence
91 <220> FEATURE:
92 <223> OTHER INFORMATION: Synthetic Sequence
94 <400> SEQUENCE: 6
95     gttgacattg aagacacatc      20
97 <210> SEQ ID NO: 7
98 <211> LENGTH: 20
99 <212> TYPE: DNA
100 <213> ORGANISM: Artificial Sequence
102 <220> FEATURE:
103 <223> OTHER INFORMATION: Synthetic Sequence
105 <400> SEQUENCE: 7
106     ctgtatcaga ggccaaagtc      20
108 <210> SEQ ID NO: 8
109 <211> LENGTH: 20
110 <212> TYPE: DNA
111 <213> ORGANISM: Artificial Sequence
113 <220> FEATURE:
114 <223> OTHER INFORMATION: Synthetic Sequence
116 <400> SEQUENCE: 8
117     tgctgcttct agactgctgt      20
119 <210> SEQ ID NO: 9
120 <211> LENGTH: 20
121 <212> TYPE: DNA
122 <213> ORGANISM: Artificial Sequence
124 <220> FEATURE:
125 <223> OTHER INFORMATION: Synthetic Sequence
127 <400> SEQUENCE: 9
128     agtcatctac agcagcccag      20
130 <210> SEQ ID NO: 10
131 <211> LENGTH: 20
132 <212> TYPE: DNA
133 <213> ORGANISM: Artificial Sequence
135 <220> FEATURE:

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RAW SEQUENCE LISTING

DATE: 08/13/2001

PATENT APPLICATION: US/09/774,809A

TIME: 14:57:21

Input Set : A:\ES.txt

Output Set: N:\CRF3\08132001\I774809A.raw

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136 <223> OTHER INFORMATION: Synthetic Sequence
138 <400> SEQUENCE: 10
139     ccatccctcc cccccccga                20
141 <210> SEQ ID NO: 11
142 <211> LENGTH: 20
143 <212> TYPE: DNA
144 <213> ORGANISM: Artificial Sequence
146 <220> FEATURE:
147 <223> OTHER INFORMATION: Synthetic Sequence
149 <400> SEQUENCE: 11
150     atcaatgact aaccgactcc                20
152 <210> SEQ ID NO: 12
153 <211> LENGTH: 20
154 <212> TYPE: DNA
155 <213> ORGANISM: Artificial Sequence
157 <220> FEATURE:
158 <223> OTHER INFORMATION: Synthetic Sequence
160 <400> SEQUENCE: 12
161     caaaaataag accactgaat                20
163 <210> SEQ ID NO: 13
164 <211> LENGTH: 20
165 <212> TYPE: DNA
166 <213> ORGANISM: Artificial Sequence
168 <220> FEATURE:
169 <223> OTHER INFORMATION: Synthetic Sequence
171 <400> SEQUENCE: 13
172     cacgcttgct tctgctcatg                20
174 <210> SEQ ID NO: 14
175 <211> LENGTH: 20
176 <212> TYPE: DNA
177 <213> ORGANISM: Artificial Sequence
179 <220> FEATURE:
180 <223> OTHER INFORMATION: Synthetic Sequence
182 <400> SEQUENCE: 14
183     cggcttagct tcttgattgc                20
185 <210> SEQ ID NO: 15
186 <211> LENGTH: 20
187 <212> TYPE: DNA
188 <213> ORGANISM: Artificial Sequence
190 <220> FEATURE:
191 <223> OTHER INFORMATION: Synthetic Sequence
193 <400> SEQUENCE: 15
194     cccgcttggc atgagtctga                20
196 <210> SEQ ID NO: 16
197 <211> LENGTH: 20
198 <212> TYPE: DNA
199 <213> ORGANISM: Artificial Sequence
201 <220> FEATURE:
202 <223> OTHER INFORMATION: Synthetic Sequence

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RAW SEQUENCE LISTING

DATE: 08/13/2001

PATENT APPLICATION: US/09/774,809A

TIME: 14:57:21

Input Set : A:\ES.txt

Output Set: N:\CRF3\08132001\I774809A.raw

```

204 <400> SEQUENCE: 16
205     ctctctgtag gcccgcttgg                20
207 <210> SEQ ID NO: 17
208 <211> LENGTH: 20
209 <212> TYPE: DNA
210 <213> ORGANISM: Artificial Sequence
212 <220> FEATURE:
213 <223> OTHER INFORMATION: Synthetic Sequence
215 <400> SEQUENCE: 17
216     atttgcattcc atgagctcca                20
218 <210> SEQ ID NO: 18
219 <211> LENGTH: 20
220 <212> TYPE: DNA
221 <213> ORGANISM: Artificial Sequence
223 <220> FEATURE:
224 <223> OTHER INFORMATION: Synthetic Sequence
226 <400> SEQUENCE: 18
227     cggttcctgca gtccctggcca                20
229 <210> SEQ ID NO: 19
230 <211> LENGTH: 20
231 <212> TYPE: DNA
232 <213> ORGANISM: Artificial Sequence
234 <220> FEATURE:
235 <223> OTHER INFORMATION: Synthetic Sequence
237 <400> SEQUENCE: 19
238     ggatgacctc ggggtgctctg                20
240 <210> SEQ ID NO: 20
241 <211> LENGTH: 20
242 <212> TYPE: DNA
243 <213> ORGANISM: Artificial Sequence
245 <220> FEATURE:
246 <223> OTHER INFORMATION: Synthetic Sequence
248 <400> SEQUENCE: 20
249     cccataatgc accccacaga                20
251 <210> SEQ ID NO: 21
252 <211> LENGTH: 20
253 <212> TYPE: DNA
254 <213> ORGANISM: Artificial Sequence
256 <220> FEATURE:
257 <223> OTHER INFORMATION: Synthetic Sequence
259 <400> SEQUENCE: 21
260     cgggtgttgg agagcttcat                20
262 <210> SEQ ID NO: 22
263 <211> LENGTH: 20
264 <212> TYPE: DNA
265 <213> ORGANISM: Artificial Sequence
267 <220> FEATURE:
268 <223> OTHER INFORMATION: Synthetic Sequence
270 <400> SEQUENCE: 22

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RAW SEQUENCE LISTING

DATE: 08/13/2001

PATENT APPLICATION: US/09/774,809A

TIME: 14:57:21

Input Set : A:\ES.txt

Output Set: N:\CRF3\08132001\I774809A.raw

```
271      tttggtggtg gagcttctgc                20
273 <210> SEQ ID NO: 23
274 <211> LENGTH: 20
275 <212> TYPE: DNA
276 <213> ORGANISM: Artificial Sequence
278 <220> FEATURE:
279 <223> OTHER INFORMATION: Synthetic Sequence
281 <400> SEQUENCE: 23
282      ggctgcccc gtataactcc                20
284 <210> SEQ ID NO: 24
285 <211> LENGTH: 20
286 <212> TYPE: DNA
287 <213> ORGANISM: Artificial Sequence
289 <220> FEATURE:
290 <223> OTHER INFORMATION: Synthetic Sequence
292 <400> SEQUENCE: 24
293      tgctaaagga gagggctgcc                20
295 <210> SEQ ID NO: 25
296 <211> LENGTH: 20
297 <212> TYPE: DNA
298 <213> ORGANISM: Artificial Sequence
300 <220> FEATURE:
301 <223> OTHER INFORMATION: Synthetic Sequence
303 <400> SEQUENCE: 25
304      aggccaaagt cggatctggt                20
306 <210> SEQ ID NO: 26
307 <211> LENGTH: 20
308 <212> TYPE: DNA
309 <213> ORGANISM: Artificial Sequence
311 <220> FEATURE:
312 <223> OTHER INFORMATION: Synthetic Sequence
314 <400> SEQUENCE: 26
315      ccaccccccg atggcccaag                20
317 <210> SEQ ID NO: 27
318 <211> LENGTH: 20
319 <212> TYPE: DNA
320 <213> ORGANISM: Artificial Sequence
322 <220> FEATURE:
323 <223> OTHER INFORMATION: Synthetic Sequence
325 <400> SEQUENCE: 27
326      ccaagcgggc ctacagagag                20
328 <210> SEQ ID NO: 28
329 <211> LENGTH: 20
330 <212> TYPE: DNA
331 <213> ORGANISM: Artificial Sequence
333 <220> FEATURE:
334 <223> OTHER INFORMATION: Synthetic Sequence
336 <400> SEQUENCE: 28
337      ctttcggtg gaccctggg                20
```

09/774,809A 6

<210> 75

<211> 60
<212> DNA
<213> Homo sapiens

<300>
<308> L31951 Genbank
<309> 1994-12-06
<313> FROM 689 TO 748

<300>
<308> U34821 Genbank
<309> 1996-07-26
<313> FROM 675 TO 734

no spaces

L ↓

1996-07-26

delete spaces

same error as Seq. 76, 79-80

<210> 118

<211> 20

<212> DNA

<213> Artificial Sequence

see Gen 110n Error Summary Sheet

<400> 118

tcgttcctgc agtccttgcc

20

→ The sequence of the DNA fragment is as shown in the listing.
The sequence of the DNA fragment is as shown in the listing.
The sequence of the DNA fragment is as shown in the listing.
The sequence of the DNA fragment is as shown in the listing.

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/774,809A

DATE: 08/13/2001

TIME: 14:57:22

Input Set : A:\ES.txt

Output Set: N:\CRF3\08132001\I774809A.raw

L:766 M:283 W: Missing Blank Line separator, <400> field identifier
L:880 M:283 W: Missing Blank Line separator, <400> field identifier
L:895 M:286 W: Invalid Database Entry: Valid Formats YYYY-MM-DD or Mon-YYYY, SEQ ID:75
L:907 M:283 W: Missing Blank Line separator, <300> field identifier
L:914 M:286 W: Invalid Database Entry: Valid Formats YYYY-MM-DD or Mon-YYYY, SEQ ID:76
L:952 M:286 W: Invalid Database Entry: Valid Formats YYYY-MM-DD or Mon-YYYY, SEQ ID:79
L:975 M:286 W: Invalid Database Entry: Valid Formats YYYY-MM-DD or Mon-YYYY, SEQ ID:80
L:1132 M:283 W: Missing Blank Line separator, <220> field identifier
L:1396 M:258 W: Mandatory Feature missing, <220> FEATURE:
L:1396 M:258 W: Mandatory Feature missing, <223> OTHER INFORMATION:
L:1886 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:162
L:1902 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:163